

REMARKS

Claims 1-22 are pending in this application. The Office Action dated July 22, 2003, rejected claims 14-22 and objected to claims 1-13. Applicants have amended claims 1, 14, and 19 to correct informalities and further clarify the subject matter of the claimed invention. No new matter has been added.

Claim objections

Claims 1-13 are objected to because of informalities. Claim 1 has been amended to properly recite "the remote sensor circuit." Accordingly, Claim 1 as amended is allowable. Claims 2-13 depend from claim 1 and are allowable (at least) for the reasons by which Claim 1 is allowable.

Claim rejections under 35 USC § 112

Claim 14 was rejected under 35 U.S.C 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regards as the invention. The office action states that claim 14 recites as a broad recitation "wherein the sequence is selected from a random sequence, a pseudorandom sequence, and an ordered sequence" and the claim recites as a narrow recitation "wherein the ordered sequence comprises a first selected current level that is applied at a first and a last time and a second selected current level that is applied at a second and next-to-last time." The office action further states that because the "ordered sequence" in the broad recitation is one among three options for the claimed sequence, it is unclear whether the narrower statement is a required feature of the claim or merely exemplary.

Claim 14 has been amended to recite "wherein the sequence is selected from a random sequence, a pseudorandom sequence, and an ordered sequence that comprises a first selected current level that is applied at a first and a last time and a second selected current level that is applied at a second and a next-to-last time," so that it is clear the ordered sequence comprises the limitations of the narrower recitation. Accordingly, Claim 14 is allowable. Claims 15-18 depend from Claim 14 and are allowable (at least) for the reasons by which Claim 14 is allowable.

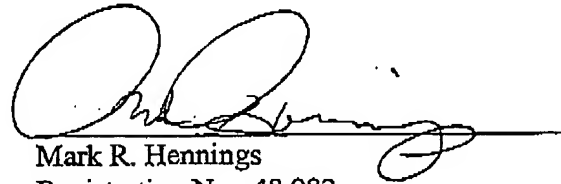
Claim 19 is similar to Claim 14 (albeit different in important ways) and is allowable (at least) for the reasons by which Claim 14 is allowable. Claims 20-22 depend from Claim 19 and are allowable (at least) for the reasons by which Claim 19 is allowable.

For the reasons stated above, Applicants submit that all pending claims are allowable and respectfully request that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

MERCHANT & GOULD P.C.

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Mark R. Hennings
Registration No. 48,982
Direct Dial: 206.342.6289

MERCHANT & GOULD P.C.
P. O. Box 2903
Minneapolis, Minnesota 55402-0903
206.342.6200

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